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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
ATTECATION NO.	I HEMO BATE	TRST NAMED INVENTOR	ATTORNET BOCKET NO.	CONTINUATION NO.	
10/696,686	10/28/2003	Omer H. Dokumaci	FIS920030115US1 (16506)	5262	
23389 7	590 06/17/2005		EXAMI	NER	
SCULLY SCOTT MURPHY & PRESSER, PC			KIELIN,	KIELIN, ERIK J	
400 GARDEN	CITY PLAZA	,			
SUITE 300			ART UNIT	PAPER NUMBER	
GARDEN CIT	Y, NY 11530		2813		

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Action Summary	10/696,686	DOKUMACI ET AL.			
Office Action Summary	Examiner	Art Unit			
TI MAN INO DATE AND	Erik Kielin	2813			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed rs will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 08 Ap	<u>oril 2005</u> .				
2a) This action is FINAL . 2b) This	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 17-20 is/are withdraw 5) ☐ Claim(s) 1-16 is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	n from consideration.				
Application Papers	·				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119	•				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 10/28/2003. S. Patent and Trademark Office	Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Patent Application (PTO-152)			

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of the invention of Group I, claims 1-16 in the reply filed on 8 April 2005 is acknowledged.
- 2. Claims 17-20 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.
- 3. The restriction requirement with respect to the species only is withdrawn. Accordingly, claim 9 is rejoined.

Allowable Subject Matter

- 4. Claims 1-16 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

US 4,312,680 (Hsu) teaches a method of fabricating a microstructure comprising the steps of:

providing a structure comprising a multi-layered stack 18, 20, 22 located atop an etchable material 14, 16 said multi-layered stack comprising a core material 20 including at least one diffusing element located between top and bottom diffusion barrier layers 18, 22 (Fig. 1);

patterning the multi-layered stack to provide a plurality of patterned multi-layered stacks on the etchable material, each patterned multi-layered stack having etched facets (Fig. 2);

heating the patterned multi-layered stacks to cause lateral diffusion of the at least one diffusing element to the etched facets (paragraph bridging cols. 3-4);

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removing the at least one diffusing element from the etched facets (paragraph bridging cols. 3-4).

Hsu next performs an etch to remove the multi-layered stack, but does not perform a self-correcting dopant-sensitive etching process on a plurality of exposed patterned multi-layered stack to provide patterned lines that have a substantially reduced line width and substantially reduced line width variation.

Accordingly, the prior art does not teach or suggest, in combination with the other claimed limitations, the self-correcting etching process wherein "the term 'self-correcting property' denotes that the width of the wider line is reduced or trimmed faster than that of the thinner line." (Instant specification, paragraph [0010].) And wherein the self-correcting etching or "SCORE" is an etching process that makes use of the self-correcting property (Abstract, paragraph [0013]).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

This application is in condition for allowance except for the following formal matters:
 Cancellation of claims 17-20.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erik Kielin whose telephone number is 571-272-1693. The examiner can normally be reached from 9:00 - 19:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr. can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Erik Kielin

Primary Examiner

June 14, 2005